Assignment -2
Internet of Things

Assignment Date	06 October 2022
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Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi.Only python

code is enough, no need to execute in raspberry pi.Note: you are allowed to use

web search and complete the assignment.

Solution:

```python
#code for Traffic lights

from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

while True:
        button.wait_for_press()
        buzzer.on()
        light.green.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(1)
        lights.off()
        buzzer.off()
#code for LED

import RPi.GPIO as GPIO
from time import sleep
```

```python
GPIO.setmode (GPIO.BOARD)
GPIO.setup (11,GPIO.OUT)
while True:
GPIO.output(11,True)
time.sleep(2)
GPIO.output(11,False)
time.sleep(2)
```